

Corrected Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A pressure sensor with a diaphragm-(2) and at least one measurement element arranged on the diaphragm-(2), for detecting a diaphragm deflection, characterized by at least one holding element (4) arranged on a surface of the diaphragm (2) for accommodating a sealing element-(12), with a through-hole (8) which ~~faces the~~ faces said surface of the diaphragm and which has a cross section corresponding ~~to the to said~~ to said outer contour ~~of a of said~~ of said sealing element (12) to be accommodated.

- 2.(Currently Amended) ~~A pressure sensor according to claim 1, A pressure sensor~~ with a diaphragm and at least one measurement element arranged on the diaphragm, for detecting a diaphragm deflection, characterized by at least one holding element arranged on a surface of the diaphragm for accommodating a sealing element, with a through-hole which faces said surface of the diaphragm and which has a cross section corresponding to said outer contour of said sealing element to be accommodated, wherein a holding element (4, 6) in each case is arranged on each of the surfaces of the diaphragm (2) which are opposite to one another, each with a through-hole (8, 10) which faces the surface of the diaphragm (8, 10) and which has a cross section corresponding to the outer contour of a sealing element-(12, 14) to be accommodated.

3. (Currently Amended) A pressure sensor according to claim ~~1~~ 2, wherein the holding elements-(4, 6) in the region of the through-hole (8, 6) have a size (thickness) which is less than the thickness of sealing element (12, 14) to be inserted.

4. (Currently Amended) A pressure sensor according to ~~one of the preceding claims~~claim 1, wherein the sealing element ~~(12, 14)~~ is a sealing ring, and in particular an O-ring.
5. (Currently Amended) A pressure sensor according to ~~one of the preceding claims~~claim 1, wherein the sealing element ~~(12, 14)~~ is firmly connected to the holding element ~~(4, 6)~~ and in particular is formed with this as one piece.
6. (Currently Amended) A pressure sensor according to ~~one of the claims 2 to 5~~claim 2, wherein the two holding elements ~~(4, 6)~~ are connected to one another via at least one locking connection~~(20)~~.
7. (Currently Amended) A pressure sensor according to ~~one of the claims 2 to 6~~claim 2, wherein the two holding elements ~~(4, 6)~~ are formed as one piece and are connected to one another via a hinge.
8. (Currently Amended) A pressure sensor according to ~~one of the preceding claims~~claim 1, wherein in at least one holding element~~(6)~~ on one surface there is formed a shoulder~~(18)~~ surrounding the through-hole~~(10)~~, for accommodating the diaphragm~~(2)~~.
9. (Currently Amended) A pressure sensor according to ~~one of the preceding claims~~claim 1, wherein at least one holding element~~(4)~~ is formed by a circuit board.
10. (Currently Amended) A pressure sensor according to claim 9, wherein the diaphragm~~(2)~~ via contact locations~~(40, 42)~~ arranged in the peripheral region of the

through-hole-(8) is electrically connected to strip conductors formed on the circuit board (4).

11. (Currently Amended) A pressure sensor according to claim 10, wherein between the contact locations (40,42) between the diaphragm-(2) and the circuit board-(4), preferably parallel to the surface of the diaphragm, there are formed gaps (44) extending from the through-hole-(8) to the outer periphery of the diaphragm-(2).

12. (Currently Amended) A pressure sensor according to ~~one of the preceding claims~~ claim 1, wherein a sensor housing (22) is provided into which the diaphragm (2) with the holding element (4,6) is inserted in a direction parallel to the diaphragm surface in a manner such that a sealing element (12,14) inserted into the through-hole (8,10) of the holding element comes to bear between a diaphragm surface and the sensor housing (22).

13. (Currently Amended) A pressure sensor according to claim-42, wherein two connection holes-(26) are arranged in the sensor housing-(22), which in each case, lying opposite to one of the through-holes-(8,10), lead out in the holding elements-(4,6), wherein sealing elements (12,14) inserted into the through-holes-(8,10) come to bear on the sensor housing-(22) at the periphery of the opening (orifice) of the connection holes (26).

14. (Currently Amended) A pressure sensor according to claim 12-~~or~~ 43, wherein at least the part of the sensor housing-(22) contacted by fluid is designed as one piece.

15. (New) A pressure sensor according to claim 13, wherein at least the part of the sensor housing contacted by fluid is designed as one piece.

16. (New) A pressure sensor according to claim 2, wherein a sensor housing is provided into which the diaphragm with the holding element is inserted in a direction parallel to the diaphragm surface in a manner such that a sealing element inserted into the through-hole of the holding element comes to bear between a diaphragm surface and the sensor housing.

17. (New) A pressure sensor according to claim 6, wherein the two holding elements are formed as one piece and are connected to one another via a hinge.

18. (New) A pressure sensor according claim 2, wherein in at least one holding element (6) on one surface there is formed a shoulder surrounding the through-hole, for accommodating the diaphragm.

19. (New) A pressure sensor according to claim 2, wherein at least one holding element is formed by a circuit board.

20. (New) A pressure sensor according to claim 2, wherein the holding elements in the region of the through-hole have a size (thickness) which is less than the thickness of sealing element to be inserted.

21. (New) A pressure sensor according to claim 2, wherein the sealing element is a sealing ring, and in particular an O-ring.

22. (New) A pressure sensor according to claim 2, wherein the sealing element is firmly connected to the holding element and in particular is formed with this as one piece.

23. (New) A pressure sensor according to claim 4, wherein the two holding elements are connected to one another via at least one locking connection.